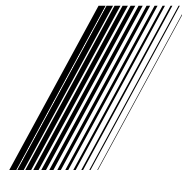


JVC



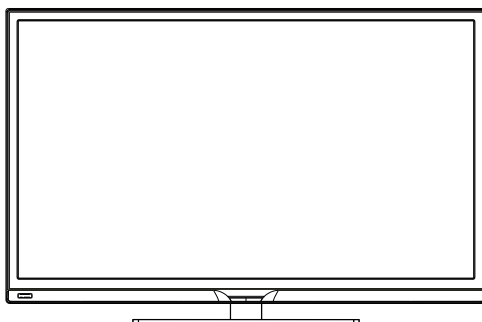
EDGE LED TV

LT-32HA48U

LT-39HG48U

User manual
Guide d'utilisation
Manual de usuario
Návod k použití

Gebruikshandleiding
Návod na použitie
Manuale d'uso



DVB
Digital Video
Broadcasting

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

DOLBY
DIGITAL PLUS

HD
TV

HD
TV
1080p

LT-32HA48U

LT-39HG48U

English

Français

Español

Slovenčina

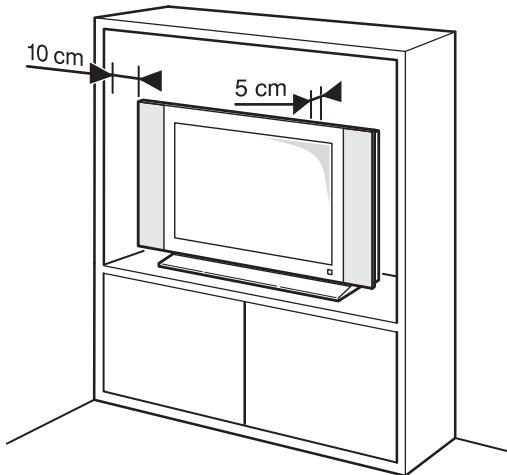
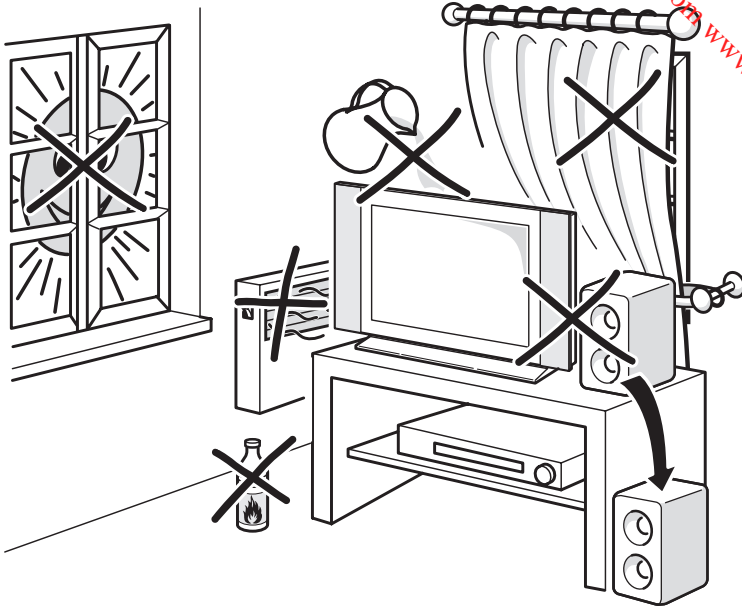
Nederlands

Češky

Italiano



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Important information

Safety

Ensure that your domestic mains supply voltage matches the voltage indicated on the rating label located at the back of your set. Where the mains plug or an appliance coupler is used as disconnect device, it shall remain readily operable.

On certain models, the light indicator is located at the side of the TV set. The absence of a light indication at the front does not mean that the TV set is fully disconnected from the mains. To disconnect the TV set completely, the mains plug must be pulled out.

The TV set's components are sensitive to heat. The **maximum ambient temperature** should not exceed **35° Celsius**. Do not cover the vents at the back or sides of the TV set. Leave sufficient space around it to allow adequate ventilation. Install the appliance away from any source of heat (fireplace, etc.) or appliances creating strong magnetic or electric fields.

Moisture in rooms where the set is installed should not exceed **80% humidity**. Moving the set from a cold place to a warm one can cause condensation on the screen (and on some components inside the TV set). Let the condensation evaporate before switching the TV set on again.

WARNINGS

This appliance is intended for domestic household use only and should not be used for any other application, such as for non-domestic use or in a commercial environment.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases shall be placed on the apparatus.



No naked flame sources, such as lighted candles, should be placed on the apparatus.

This apparatus is not suitable for use in a tropical climate.

WARNING: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

CAUTION: Connect headphones with the volume set low and increase if required. Prolonged listening through headphones at high volume settings can result in hearing damage.

Ventilation



Place the television on a hard flat surface away from direct sunlight or heat sources. If it is in a cabinet, allow at least a 10cm gap all around. Do not obstruct the ventilation slots, including those underneath with soft furnishings.

Overheating will shorten the life of the television and increase the risk of fire.

Eye Fatigue

When using this product as a computer monitor, health and safety experts recommend short frequent breaks rather than occasional longer breaks. For example a 5-10 minute break after an hour of continuous screen work is considered to be better than a 15 minute break ever 2 hours.

Do not use the monitor against a bright background or where sunlight or other bright light sources will shine directly onto the screen.

The  button on the TV set or the  button on the remote control can be used to switch it on and put it into standby mode. If you are **not going to be watching the TV for a lengthy period of time**, switch it off completely by removing the plug from the mains power socket.

During **thunderstorms**, we recommend that you disconnect the TV set from the mains and aerial so that it is not affected by electrical or electromagnetic surges that could damage it. For this reason, keep the **mains and aerial sockets** accessible so they can be **disconnected**, if necessary.

Unplug the TV set immediately if you notice it giving off a **smell of burning or smoke**. You must never, under any circumstances, open the TV set yourself, as you run the risk of an **electric shock** in doing so.

TV screen

The TV screen used in this product is made of glass. Therefore, it can break when the product is dropped or impacted upon by other objects.

The TV screen is a very high technology product, giving you finely detailed pictures. Occasionally, a few nonactive pixels may appear on the screen as a fixed point of blue, green or red. This does not affect the performance of your product.

Care

Use a glass-cleaning product to clean the screen and a soft cloth and mild detergent to clean the rest of the set.

Important: Using strong detergents, alcohol-based and abrasive products may damage the screen.

Dust the vents at the back and sides regularly. Using solvents, abrasive or alcohol-based products could damage the TV set. If an object or liquid enters the appliance, unplug it immediately and have it checked by an authorised engineer. Never open the appliance yourself since this may put you at risk or damage the appliance.

Batteries

Batteries shall not be exposed to excessive heat such as sunshine, fire or the like. Remove batteries when the remote control is not to be used for a long time. Batteries left in equipment may cause damage through deterioration and corrosive leakage, invalidating the guarantee.

To protect the environment use local recycling facilities for battery disposal. Dispose of used batteries according to the instructions.

CAUTION: Risk of explosion if batteries are replaced by an incorrect type. Replace only with the same or equivalent type recommended by the equipment manufacturer.

Hanging the TV set on the wall

Warning: This operation requires two people.

To ensure a safe installation, observe the following safety notes:

- Check that the wall can support the weight of the TV set and wall mount assembly. The TV can be mounted on a wall using a 200mm x 100mm (for LT-32HA48U) or 400mm x 400mm (for LT-39HG42U) VESA mounting kit supplied separately.
- Follow the mounting instructions provided with the wall mount. For certain models, make sure to screw the hexagonal VESA wall mounting screw bosses (and screws) provided with the set into the nuts for the wall mount at the back of your set before your wall mounting.
- The TV set must be installed on a vertical wall.

- Make sure to use only screws suitable for the material of the wall. The screw thread length must not exceed 14.5mm (for LT-32HA48U) or 9.7mm (for LT-39HG48U) into the TV.
- Make sure that the TV set cables are placed so that there is no danger of tripping over them.

All other safety instructions about our TV sets are also applicable here.

Placing the TV on a table and other surfaces

Before setting up your television set, make sure that the surface you want to put the set on can support its weight. Do not place the set on an unstable surface (e.g. moving shelf, very edge of a unit) and make sure that the front of the television set does not overhang the surface it is standing on. To avoid TV from falling please fasten TV to the wall by using necessary screws (in Vesa wall mount holes), clamps, anchors to be bought separately. Install TV near to the wall to avoid falling backwards.

Multi product user manual

The features described in this manual are common to most models. Some features may not be available on your TV and/or your TV may include features that are not described in this user manual. The illustrations in this manual may differ from the actual product. Please refer to the actual product.



Products



Battery

Notice:
The sign Pb below the symbol for batteries indicates that this battery contains lead.

Information for Users on Disposal of Old Equipment and Batteries [European Union]

These symbols indicate that the electrical and electronic equipment and the battery with this symbol should not be disposed of as general household waste at its end-of-life. Instead, the products should be handed over to the applicable collection points for the recycling of electrical and electronic equipment as well as batteries for proper treatment, recovery and recycling in accordance with your national legislation and the Directive 2002/96/EC and 2006/66/EC.

By disposing of these products correctly, you will help to conserve natural resources and will help to prevent potential negative effects on the environment and human health which could otherwise be caused by inappropriate waste handling of these products.

For more information about collection points and recycling of these products, please contact your local municipal office, your household waste disposal service or the shop where you purchased

the product.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

[Business users]

If you wish to dispose of this product, please contact your supplier and check the terms and conditions of the purchase contract.

[Other Countries outside the European Union]

These symbols are only valid in the European Union. If you wish to dispose of these items, please do so in accordance with applicable national legislation or other rules in your country for the treatment of old electrical equipment and batteries.

Downloaded from www.vandenborre.be

Dear Customer,

This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety.

European representative of the manufacturer is:

TCL Operations Polska Sp. z o.o.

ul. A. Mickiewicza 31/41
96-300 Żyrardow, Poland

Email address: zyeee@tcl.com

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.

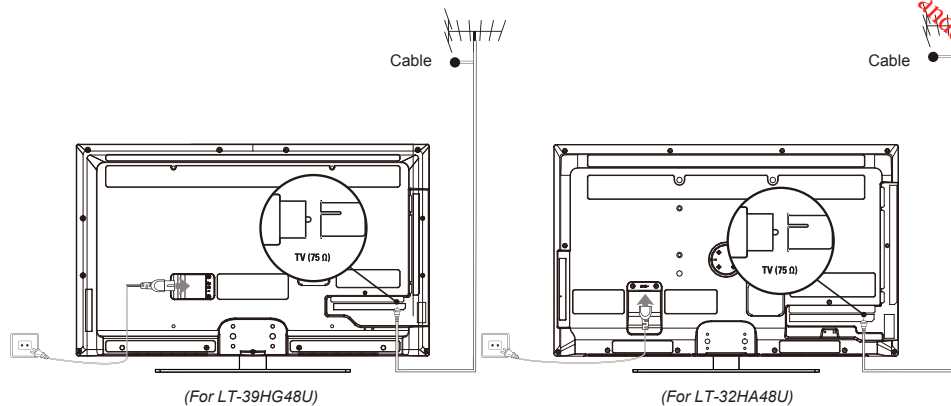
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Connecting the power and antenna

To switch on TV after connecting power cord, press \mathcal{O} .

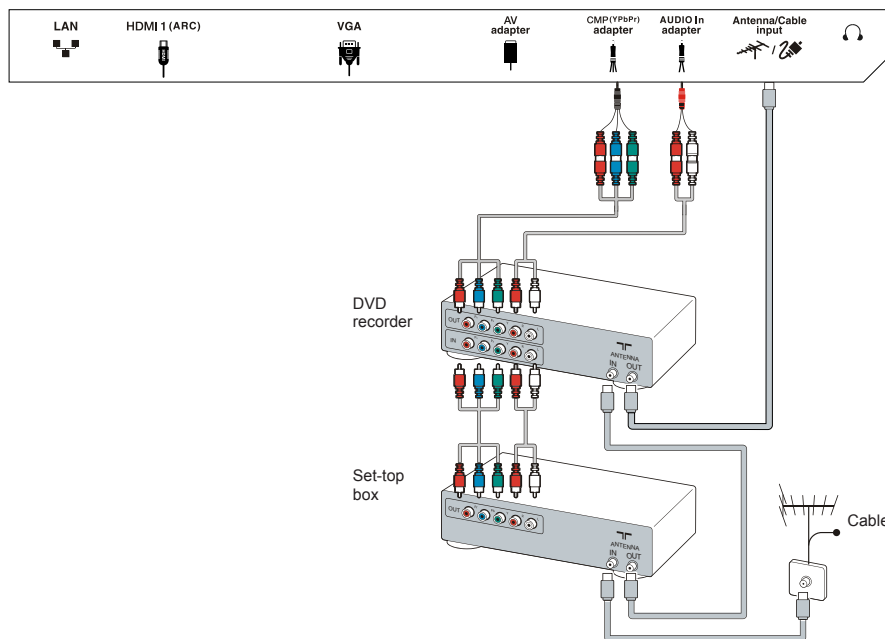
Note: Position of power socket varies according to TV model. On certain models, you have to turn on the power switch first.



DVD recorder, cable receiver

Note: Disconnect the power cord before connecting devices.

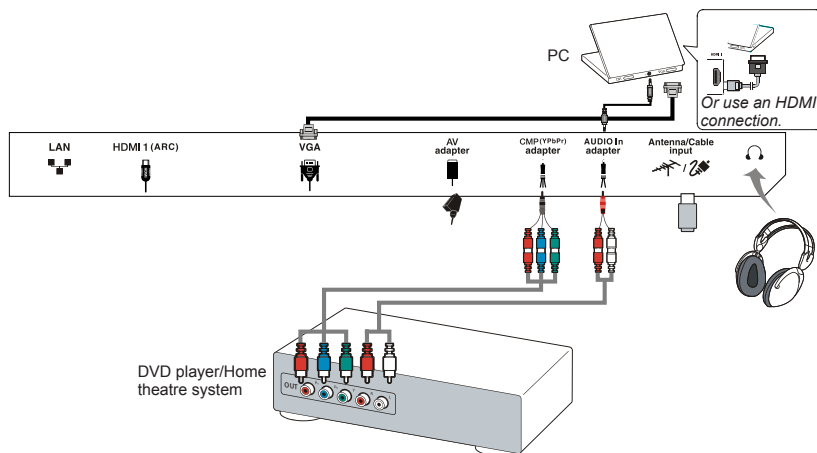
Note: this TV set is not compatible with DLNA (Digital Living Network Alliance).



DVD player, home theatre system, PC, headphones

Notes:

- Before connecting a PC, set the PC monitor refresh rate to 60Hz.
- The connectors of VGA and CMP (YPbPr) share the same audio input connector.
- Excessive sound pressure from earphones and headphones can cause hearing loss.
- It is recommended to use as short as possible high quality HDMI cables to avoid possible interferences.
- It is recommended to use 1m long or shorter VGA cable with ferrites in case VGA input is available in TV and TV is connected using VGA cable. Maximum supported VGA resolution is 1920x1080/60Hz.



Blu-ray Disc player, HD game console & HD camcorder

Notes:

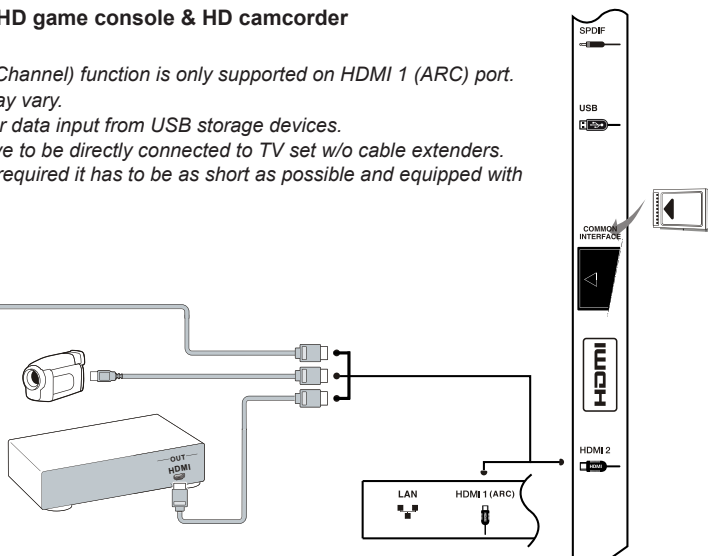
- ARC(Audio Return Channel) function is only supported on HDMI 1 (ARC) port.
- Number of HDMI may vary.
- USB connector is for data input from USB storage devices.
- All USB devices have to be directly connected to TV set w/o cable extenders.
- In case extender is required it has to be as short as possible and equipped with ferrites.

HD game console

HD Camcorder

Blu-ray Disc player

Blu-ray Disc



Notes:

- Not all connections available on all models.
- The location of the power socket on the TV may vary according to TV model.
- The positions and names of the function buttons and connectors on the TV may vary according to TV model.

Remote control functions

Most of your television's functions are available via the menus that appear on the screen. The remote control supplied with your set can be used to navigate through the menus and to configure all the general settings.



- Source** To select connected devices.
 ⏻ Standby/quit standby.
0-9 To select a channel, page or setting.
ECO To select desired power saving mode.
Guide To toggle the Electronic Programme Guide on or off (only available for digital channels).
Menu To access the main menu; to return to the previous menu.
Exit To exit the menu structure or Teletext.
▲ ▼ To navigate in the main menu; to select menu options; to switch to the previous or next photo, song or video in USB function.
◀ ▶ To navigate in the main menu; to set functions and change values. ▶ can also be used to open the corresponding submenu.
Zoom+/- * To select the picture format.
Note: You are recommended to use the full screen mode. Do not use the display mode with black bars on both sides of the picture (such as 4:3) for long time, otherwise the TV screen may be damaged permanently.
OK To open the corresponding submenu and activate a setting in menus; to freeze/unfreeze the picture in digital TV mode.
Option To display the function menu to perform certain operations; to display the Teletext page in different modes.
Return To return to the previous channel; to return to the previous menu in USB function.
V+/- To control the volume.
Info To display programme information, if available.
Mute To switch the sound off and back on again.
P+/- To change channels.
TEXT To toggle Teletext or Mix mode on or off.
SUBTITLE To select a subtitle language available for selected digital TV programme.
LIST To display channel list.
TV To access TV mode.
Colour buttons To select tasks or Teletext pages (see footnote). The red button can also be used for MHEG function.
Lang To select a sound type available for selected analogue TV programme; to select an audio language available for selected digital TV programme.





Footnote:

Red, green, blue and yellow buttons are multi-function; please follow on-screen prompts and section instructions.

If the batteries in your remote control are run down, you can use the buttons on your TV set. In TV mode, they have the same functions as the corresponding buttons on the remote control. The OK button on the TV set can be pressed repeatedly to select the required source. In the menus they have the following functions:

PR+	▲
PR-	▼
VOL+	►
VOL-	◄
■	Menu
OK	OK

Switching the TV on and off

1. When the power cord is connected, the TV will be turned on directly or be in standby mode. If the TV is in standby mode, press the  or PR+/PR- button on the set or the  button on the remote control to turn it on.
2. To put the TV into standby mode, press the  button on the set or the  button on the remote control. The TV set remains powered up, but with low energy consumption.
3. To switch off the TV, unplug the mains socket from the mains outlet.

(*On certain models, you have to turn on the power switch first.)

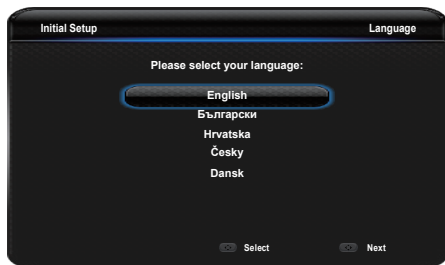
Initial setup

Initial setup involves selecting all the settings required to be able to search for and store all the analogue and digital channels you can receive.

Make sure that the television is switched on and follow all the steps in turn specified hereafter.

Note: If the channel search retrieved only the analogue channels it could be caused by poor broadcasting and therefore is not covered by manufacturer warranty. Manufacturers cannot be held responsible for lack of or poor broadcasting in some areas.

The first time you switch the set on, the **Initial setup** wizard opens, which guides you through the initial setup process.



1. Press **▲/▼** to select your language, then press **OK/▶** to enter the next step.
2. Press **▲/▼** to select your country, then press **OK/▶** to enter the next step.

*Note: If you select **France**, you will have to enter the **Password setting** menu here in order to set a password. Use the numeric buttons to enter a four-digit number for your password. (Your password cannot be 0000.) Re-enter the same code to confirm the password. After that, you will enter the next step automatically. (In this step, you can only press **◀** to return to the previous step.)*

3. Press **▲/▼** to select your tuner mode
 - Select **Antenna** or **Cable**.
 - Select **Antenna**.
 - Press **OK/▶** to enter.
 - Press **▲/▼** to select **Scan**, then press **OK/▶** to start the automatic search for all DVB-T digital and/or analogue channels.
 - Select **Cable**.
 - Press **OK/▶** to enter.
 - Press **▲/▼** to select **Scan**, then press **OK/▶** to directly start your initial setup or enter below step.
 - Select **Full** if available to search for and store all DVB-C digital and analogue channels.
 - You may select another advanced scan

mode if available (for example, **Advanced**), then configure the correct cable information as described below. Use the numeric buttons to adjust the values for frequency, symbol rate and network ID; use **◀/▶** to select a modulation mode.

- Press **OK** to start initial setup relating to all DVB-C digital and analogue channels.

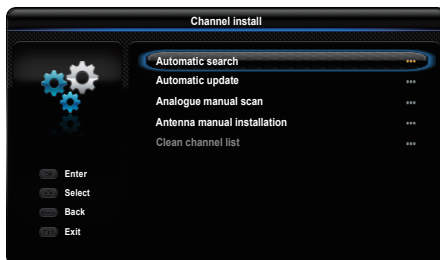
Note: To prevent the channel setup process from being interrupted, wait for the message indicating that the setup is complete.

4. Before starting the scanning, you can also select **Skip scan** to skip the initial setup process.
5. During the setup, you can follow the hints available at the bottom of the screen to return to the previous step by pressing **◀**. Or press **Exit** to exit or interrupt the search halfway.
6. Once the automatic search ends, the set enters the next step automatically. Press **▲/▼** to select your location: **Shop** or **Home**. Press **OK/▶** to confirm your selection and enter the last step.
7. - In this step, you can press **OK** to exit the initial setup. The channels are arranged in a preset order. If you wish to skip channels, modify the preset order or rename channels, select **Setup > Organiser** and press **OK/▶** to enter.
 - In this step, you can also press **◀** to return to the previous step.

Performing an automatic channel search

This section describes how to search and store channels automatically. Instructions are for both analogue and digital channels.

1. Press **Menu** on the remote control and select **Setup > Language > Menu language**. Press **◀/▶** to select your desired menu language.
2. Press **Menu** to return to **Setup**. Press **▲/▼** to select **Country**, then press **◀/▶** to select your country. The TV installs and arranges channels according to your country.
3. Press **▲/▼** to select **Tuner mode**, then press **◀/▶** to select **Antenna** or **Cable**.
 - Select **Antenna**.
 - Press **▲/▼** to select **Channel install**, and press **OK/▶** to enter.



- Select **Automatic search**, then press **OK/▶** to display **Automatic search**.
- Press **OK** to skip the country selection and enter the next step. Or use **◀/▶** to reselect your country, then press **OK** to enter.
- Select **Digital & Analogue**, then press **OK/▶** to start the automatic search, which relates to all DVB-T digital and/or analogue channels.
- Select **Cable**.
 - Press **▲/▼** to select **Channel install**, and press **OK/▶** to enter.
 - Select **Automatic search**, then press **OK/▶** to display **Automatic search**.
 - Press **OK** to skip the country selection and enter the next step. Or use **◀/▶** to reselect your country, then press **OK** to enter.
 - Select **Digital & Analogue**, then press **OK/▶** to enter. Select your scan mode if available and configure proper cable information in the same way as in Initial setup. Select **Scan** and press **OK/▶** to start your automatic search relating to all DVB-C digital and analogue channels.
 - Select **Digital**, then follow the same process as above to start your automatic search relating to all DVB-C digital channels.
 - Select **Analogue**, then press **OK/▶** to start your automatic search relating to all analogue channels.
- 4. The search may take a few minutes. During the process, you can press **Menu** to abort halfway.
- 5. Once the automatic search ends, press **Menu** to return to the previous step or press **OK** to restart your channel search.
- 6. After the automatic search, channels are arranged in a preset order. You can skip channels, modify the preset order or rename channels.

Using your TV

Accessing channels

Using the numeric buttons: press the corresponding numeric buttons to access the channels.

Using the PR+/- or P+/- buttons: scroll through the channels.

Watching connected devices

There are three ways for you to select connected devices on your TV: you can press **Menu** on the remote control and select **Source**, use **OK** button to enter, then press **▲/▼** and **OK** to select your wanted connected device. You can also repeatedly press **Source** on the remote control or **OK** on the TV set to toggle between TV and other input sources. To resume TV viewing, press any numeric button to enter the channel, while **P+/-** will cycle through all TV channels and other input sources.

*Note: Not all models have **OK** button on the set.*

Volume

Volume control: use the **VOL+/-** buttons on the TV set or **V+/-** buttons on the remote control to increase or decrease the volume.

Sound mute: press the **Mute** button to temporarily mute the sound. Press this button again or the **V+** button to restore it.

Using TV menus

1. Press **Menu** to display the main menu.



2. Press **▲/▼/◀/▶** to select the desired item, then press **OK** to open the corresponding submenu.
3. In submenus, use **▲/▼** to select menu options, use **◀/▶** to set functions or change values. Use **OK** to activate a setting. Use **OK/▶** to open the corresponding submenu.
4. Press **Menu** to return to the previous menu.
5. Press **Exit** to close the menu.

Note: Some options may not be available for certain signal sources.

Selecting menu language

You can choose your preferred menu language following the instructions below.

1. Press **Menu** to display the main menu.
2. Press **▲/▼/◀/▶** to select **Setup**, then press **OK** to enter.
3. Select **Language** and press **OK/▶** to enter.
4. Select **Menu language** and press **◀/▶** to select your desired language to display the menus.
5. Press **Exit** to close the menu.

Using more of your TV

Setting up your favourite channels

You can create a list of your favourite TV channels.

1. Press **LIST**.
2. Press the yellow button to enter **Channel list selection**. Press **▲/▼** to select the favourite list and press **OK** to enter.
3. Press the blue button to start editing your favourite list. Press **▲/▼** to scroll through the channel list and press **OK** to select or deselect it.
4. Repeat this procedure to setup other favourite channels.

5. Press **LIST/Exit** to exit.

ECO settings

1. Press **Menu** on the remote control and select **Picture > ECO settings**, press **OK/▶** to enter **ECO settings**.
2. Press **◀/▶** to select desired power saving mode to achieve the desired power saving effect. The **Picture preset** option under **Picture** will now be set to **Personal** simultaneously.
3. Press **Exit** to close the menu.

Shortcut operation: Press **ECO** on the remote control to perform the same function mentioned above.

Audio description

Audio description refers to an additional narration track for blind and visually impaired viewers of visual media, including television programmes and movies.

The description narrator talks through the presentation describing what is happening on the screen during the natural pauses in the audio (and during dialogue if deemed necessary).

You can use this feature if the current broadcast contains audio description.

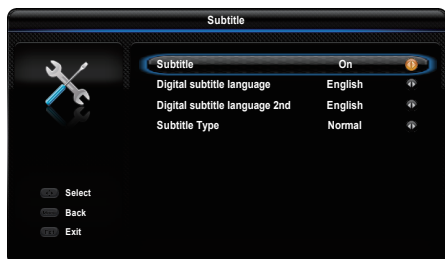
1. Press **Menu** on the remote control and select **Sound**.
2. Press **OK** to enter.
3. Use **▲/▼** to select **Audio Description**, press **OK/▶** to enter, use **◀/▶** to turn this function on or off. Volume level can be adjusted by using the **Audio Description** menu.

Using subtitles

You can enable subtitles for each TV channel. Subtitles are broadcast via Teletext or DVB-T/DVB-C digital broadcasts. With digital broadcasts, you have the additional option of selecting a preferred subtitle language.

Turning on/off subtitles

1. Press **Menu** on the remote control and select **Options > Subtitle**.
2. Press **OK/▶** to enter.



3. Select the **Subtitle** option, and press **◀/▶** to select **On/Off** to turn on/off subtitles.

Enabling subtitle languages on digital TV channels

1. Press **Menu** on the remote control and select **Options > Subtitle > Digital subtitle language**.
2. Press **◀/▶** to select a subtitle language as your preferred language.
3. Press **▲/▼** to select **Digital subtitle language 2nd**.
4. Press **◀/▶** to select a secondary subtitle language.
5. Press **Exit** to close the menu.

Shortcut operation: Press **SUBTITLE** on the remote control to directly select a subtitle language available for the selected digital TV programme.

Selecting a subtitle type on digital TV channels

1. Press **Menu** on the remote control and select **Options > Subtitle > Subtitle type**.
2. Press **◀/▶** to select a subtitle type. You can select **Hearing impaired** to display the hearing impaired subtitles with your selected language.

Selecting decoding page language in Teletext

Press **Menu** on the remote control and select **Options > Decoding page language**. Select a proper type of language in which Teletext will display.

Digital Teletext language

For digital TV channels, your TV could change to a service with multiple initial Teletext pages in different languages. This function allows you to select an available language as primary language, which relates to different initial Teletext pages.

Press **Menu** on the remote control and select **Options > Digital teletext language**. Press **◀/▶** to select.

SPDIF type

Connect to an audio device through the **SPDIF** output. Press **Menu** on the remote control and select **Options > SPDIF type**. Select a proper sound type from the list for digital programmes.

- If the current programme outputs sound in **Dolby D** format, then either **PCM** or **Dolby D** can be selected.
- If the current programme does not output sound in **Dolby D** format, only **PCM** can be selected. Otherwise no sound will be output.
- Select **Off** to turn off the audio output from the audio device connected to the **SPDIF** output.

*Note: The options you may choose depend on the programme you are watching. If you select **PCM** and the sound is ahead of the picture, you can select **SPDIF delay** from the **Options** menu and press **◀/▶** to adjust the delay time to synchronise the sound with the picture.*

T-Link

Use this function to search for CEC devices connected to the HDMI sockets in your TV and enable one-touch play and one-touch standby between CEC devices.

Enabling or disabling T-Link

1. Press **Menu** on the remote control, then select **Options > T-Link**.
2. Press **◀/▶** to select **On** or **Off**, if this function is turned on, **T-Link** option will be available in the **Quick access** menu which you can enter by pressing the **Option** button on the remote control.

Using one-touch play

With one-touch play, pressing the play button on (for example) your DVD remote control starts playback on your DVD device and automatically switches your TV to the correct source, displaying DVD content.

Using system standby

With system standby, pressing the button on (for example) your TV remote control switches your TV and all connected HDMI devices to standby mode.

Note: Guide Manual will be available in the sublist of T-Link option when T-Link function is turned on and CEC devices are connected. With this function, you can operate a virtual control by using the TV remote control.

Common interface

Encrypted digital TV channels can be decoded with a common interface module and a card provided by a digital TV service operator.

The common interface module may enable several digital services, depending on the operator and services you choose (for example, pay TV). Contact your digital TV service operator for more information about services and terms.

Using the common interface module

WARNING: Switch off your TV before inserting a common interface module. Be sure to follow the instruction described below. Wrong insertion of a common interface module may damage both the module and your TV.

1. Following the directions printed on the common interface module, gently insert the module into the common interface slot on the TV.
2. Push the module in as far as it will go.
3. Turn on the TV and wait for the common interface function to be activated. This may take several minutes.

Note: Do not remove the common interface module from the slot. Removing the module will deactivate the digital services.

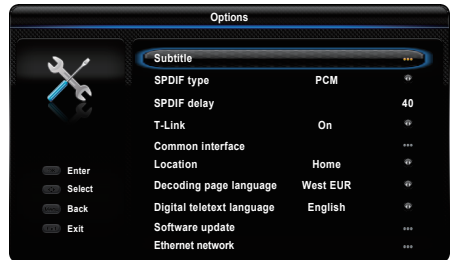
Accessing common interface services

After inserting and activating the common interface module, press **Menu** on the remote control and select **Options > Common interface**.

This menu option is only available if the common interface module is correctly inserted and activated. On-screen applications and content are provided by your digital TV service operator.

Software update

Press **Menu** on the remote control and select **Options > Software update**. Press **OK/▶** to enter.



- **Current version:** Checks the current version of the software.
- **Product name:** Displays the product name of your set.
- **Serial number** (if available): Displays the serial number of your set.
- **OAD (Over Air Download):** Enables you to install the latest version of the software if available. Select **OAD** and press **OK/▶** to enter.
 - Use **◀/▶** to select **Yes** under **Auto download** to automatically download the latest software if available. After the software has been downloaded successfully, you will be prompted to decide if you want to install it right now. If yes, follow the on-screen instructions to complete your installation. You can also select to ignore the installation here.
 - Select **No** under **Auto download** to decline the automatic download.
 - Select **Manual OAD download** and press **OK/▶** to start manual scanning the latest software. Follow the on-screen instructions to complete. During the scan, press **OK/Exit** to cancel or exit the process.

Changing to Shop or Home mode

1. Press **Menu** on the remote control and select **Options > Location**.
2. Press **◀/▶** to select your location: **Shop** or **Home**.
3. Press **Exit** to exit.

Note: According to the regulation of European Commission 2009/125/EC, in Home mode, TV will be put into standby mode automatically if there is no operation in 4 hours. This feature can be deactivated in Options menu.

MHEG function

Some digital TV broadcasters offer dedicated digital text or interactive services (for example, BBC1). These services work like normal Teletext with the addition of number, colour and navigation buttons. This function is not available in all countries. Please contact your broadcaster to check if MHEG function is supported.

1. Press **Menu** on the remote control and select **Options > Subtitle > Subtitle**.
2. Press **◀/▶** to set **Subtitle** to **Off**.

*Note: For some models, MHEG and subtitles are mutually exclusive and cannot coexist on the same screen. If **Subtitle** is set to **On**, MHEG will not appear.*

3. Press the red button or **TEXT** on the remote control.
4. Press **▲/▼/◀/▶** to select or highlight items.
5. Press **OK** to confirm or activate.
6. Press one of the colour buttons to select an option.
7. Press **TEXT** or **Exit** to exit.

Viewing photos, playing music and watching videos from a USB storage device

Your TV is fitted with a USB connector that enables you to view photos, listen to music or watch videos stored on a USB storage device.

Supported file formats:

Photo	JPEG
Music	MP3
Video	AVI, MP4, MPG, MPEG, TS...

Notes: Some USB keys and USB products like digital cameras or mobile phones are not fully compatible with USB 2.0 standard so they may not work with the TV multimedia player. Not all USB keys or devices are compatible with the USB function. Not all above formats are recognised. The encoding formats of your files will determine whether or not they can be used.

When a USB device is detected, it enters the **Media center** menu directly. To enter the **Media center** manually, press **Menu** on the remote control and select **Media**.

Photo

Use this function to display photos, if available.

1. Select **Media center > Photo**, then press **OK** to enter the main file content browser.
2. In the main file content browser, use **▲/▼/◀/▶** to select a photo or an inner file folder.
3. Select an inner file folder, press **OK** to enter a sub file content browser.
4. Use **▲/▼/◀/▶** to select a photo in either main or sub file content browser, press **Menu** to display

the photo menu in folder mode.

- **Sort**: Sort folders and photos by modification Date or Name.
 - **Edit**: Copy, paste or delete a selected photo.
 - **Parser**: You can select **Recursive** to display photos from all sub file folders.
5. Select a photo, press **OK** to watch, and a slide show begins from the selected photo. Press **OK** to pause the photo if you want to rotate the paused photo. Press **Menu** to display the photo menu in the browser mode. You can play, pause or rotate the photo, select different play modes and displaying effects, etc.
 6. Press the related buttons on the remote control to perform the available functions shown on the function bar at the bottom of the TV screen. Press the **Info** button to show or remove the function bar.

Music

Use this function to playback music, if available.

1. Select **Media center > Music**, then press **OK** to enter the main file content browser.
2. Use **▲/▼/◀/▶** to select a song in either main or sub file content browser in the same way as in photo display function, press **Menu** to display the music menu in folder mode.
 - **Sort**: Sort folders and songs by Name, Genre, Artist or Album.
 - **Edit**: Copy, paste or delete a selected song.
 - **Parser**: You can select **Recursive** to display songs from all sub file folders.
3. Select a song, press **OK** to play, and automatic playback begins from the selected song. Press **Menu** to display the music menu in the browser mode. You can play or pause the song, select different play modes, etc.
 - **Show lyrics**: This option is available for the songs with lyrics. Select it and use **◀/▶** to turn on/off lyrics synchronized display.
 - **Audio only**: Select and press **OK** to listen to the music with the screen turned off. Pressing any key will turn the screen on.
4. Press the related buttons on the remote control to perform the available functions shown on the function bar at the bottom of the TV screen.

Video

Use this function to watch videos, if available.

1. Select **Media center > Video**, then press **OK** to enter the main file content browser.
2. Use **▲/▼/◀/▶** to select a video in either main or sub file content browser in the same way as in photo display function, press **Menu** to display the video menu in folder mode.
 - **Sort**: Sort folders and videos by Type, modification Date or Name.
 - **Edit**: Copy, paste or delete a selected video.

- **Parser:** You can select **Recursive** to display videos from all sub file folders.

3. Select a video, press **OK** to watch, and automatic playback begins from the selected video. Press **Menu** to display the video menu in the browser mode. You can play or pause the video, select different play modes, screen modes and preset picture settings, etc.
4. Press the related buttons on the remote control to perform the available functions shown on the function bar at the bottom of the TV screen. Press the **Info** button to show or remove the function bar.

Time detection

You can detect the time from digital channels using the following operations.

1. Press **Menu** on the remote control and select **Timer > Clock > Auto synchronization**.
2. Press **◀/▶** to select **On**.

To set the time manually, switch off the Auto synchronization.

Diagnostics on digital TV channels

1. Press **Menu** on the remote control and select **Setup > Diagnostics**.
2. Press **OK/▶** to display some signal information on the current digital channel, such as signal strength, frequency, etc.

Reset shop

Allows you to reset the TV to factory default settings.

1. Press **Menu** on the remote control and select **Setup**, then press **OK** to confirm.
2. Select **Reset shop** and press **OK/▶** to enter.
3. Use the numeric buttons to enter the password.
4. Press **◀/▶** to select **OK** and press **OK** to confirm.
5. The **Initial setup** menu appears. Follow the related instructions.

Customising the input settings

You can configure your TV according to the equipment you connect to it.

1. Press **Menu** on the remote control and select **Setup > Input settings**.
2. Press **OK/▶** to enter **Input settings**.
3. Press **▲/▼** to select a connector your equipment is connected to.
4. Press **◀/▶** to select the type of apparatus attached to this connector.
5. Press **Menu** to return to the **Setup** menu.

After configuring, the selected source label will be displayed after the name of the related connector in the source list when selecting **Source** in the **Menu** or pressing **Source** on the remote control or **OK** on the TV set.

*Note: Not all models have **OK** button on the set.*

Using Electronic programme guide

EPG is an on-screen guide that displays scheduled TV programmes. You can navigate, select, view and record programmes.

1. Press **Guide** on the remote control, the **Now and Next EPG** menu will appear, which allows you to get information about the current or next programme playing on each channel. Navigate through the different programmes using the navigation buttons on the remote control.
2. Use the colour buttons to view the **8 Days EPG**.
 - **Prev day** (Red): Lists the previous day's EPG.
 - **Next day** (Green): Lists the next day's EPG.
 - **View detail** (Yellow): Displays the description of this programme if available.
 - **Type filter** (Blue): Programme guide filter for digital TV programmes.
 - Press the blue button to display the programmes' type and subtype (if available) lists.
 - Navigate through the different types and subtypes using the navigation buttons on the remote control.
 - Select one or more types, which you want to highlight from the **Type** list, press **OK** to select (or deselect). A checkmark will appear to the left of the type when selected. When you select a type, all its subtypes will be selected automatically.
 - Also, you can select some desired subtypes without selecting any type first.
 - Press the blue button to exit the type and subtype list.
 - After filtering, all your desired digital TV programmes will be highlighted.
 - **Add schedule** (Option): Press **Option** on the remote control to bring up the **Schedule list** menu. For details on scheduled recording, refer to the **Schedule list** section.
3. Press **Guide/Exit** to exit the EPG and switch to the selected channel.

PVR (Personal Video Recorder)

Allows you to record non encrypted TV programmes. Before you use the function, connect a USB memory device to the set first. When using this function for the first time, you should setup the disk for the USB device.

*Note: This feature is available only in selected products and due to specific TV network limitations and country technical requirements might not be available in product or place of installation. This feature might be also blocked by TV network due to copyright protection (HD content, recording protection). Please use **Option** on the remote control to check if this feature is available in your product.*

1. Press **Option** on the remote control and in the **Quick access** menu, select **PVR**.
2. Press **OK/▶** to enter.
3. Press:
 - the red button to start recording, the record file is put into a folder named after the channel number under the PVR folder in **Media center > Video**;
 - the green button to stop recording manually; if the recording duration finishes, the recording will stop automatically.
 - **▲/▼/◀/▶** to adjust the recording duration.

Note: If you change channels while recording a programme, a prompt will appear on screen asking you whether you want to confirm the channel change. If you do so, your recording will be interrupted.

4. In recording, PVR mini pane will also show on the screen to indicate the recording progress.
5. To watch the recorded programme, exit PVR mode first and go to **Media center > Video**. Select the folder PVR, then select the related record file. Press **OK** to play. (It is the same if you record a digital radio programme).

Notes:

- Feature available only for digital non encrypted channels. Even when CICAM (CI or CI+) is inserted, feature is not available on encrypted channels.
- Only supports USB memory device of FAT32 format.
- Before you connect the USB device to the set, make sure you have backed up the data in the device to avoid the loss of your important data due to unforeseen malfunction.
- The bigger the USB device memory size for the PVR function, the longer the recording time.
- If you want to change channel or signal source during recording, store the recording data before changing the channel or source.
- The set cannot play files normally if the parameters of the file exceed the limitations of the system, the file format is not supported, the file is damaged, or the file cannot be decoded.
- Do not disconnect the USB memory device when the system is reading a file or transmitting data, otherwise the system or the device may be damaged.

Schedule list

This function is used to perform scheduled recording.

1. Press **Option** on the remote control and in the **Quick access** menu, select **Schedule list**.
2. Press **OK/▶** to display the schedule list.
3. To add a schedule into your schedule list, press the red button first to display **Schedule list**. Then,
 - **Channel number**: use **◀/▶** to select the

channel number.

- **Start date**: use the numeric buttons to set the recording date.
 - **Start time**: set the start time of the recording.
 - **Stop time**: set the stop time of the recording.
 - **Schedule type**:
 - Set **Reminder** to be reminded that you can switch to the scheduled programme when the time you have set comes. When time is out and you do not execute any operation, the dialog box will disappear and no further operation will be executed.
 - Set **Record** to check if you really want to start your scheduled recording when the time you have set comes. When time is out and you do not execute any operation, scheduled recording will start automatically.
 - **Repeat type**: set different repeat modes for the recording.
4. Press **▲/▼/◀/▶** to select **Add**, then press **OK** to add the schedule you set into your schedule list.
 5. Press the red button to repeat above procedures to add another schedule.
 6. If you wish to edit or delete a schedule, select it and press **OK** to enter and follow the instructions on screen.
 7. Press **Exit** to close the menu.

Network connection

This function is available only for CI+ modules with LSC function. For detailed description, please contact service provider or refer to instruction book provided by service provider.

Connecting to a wired network

You can attach your TV to your LAN using cable in three ways:

- You can attach your TV to your LAN by connecting the LAN port on your TV to an external modem using a Cat 5 cable.
- You can attach your TV to your LAN by connecting the LAN port on your TV to an IP Sharer, which is connected to an external modem. Use Cat 5 cable for the connection.
- Depending on how your network is configured, you may be able to attach your TV to your LAN by connecting the LAN port on your TV directly to a network wall outlet using a Cat 5 cable. Note that the wall outlet is attached to a modem or router elsewhere in your house.

1. Press **MENU** on the remote control and select **Options > Ethernet network > Configuration > Internet connection**. Press **◀/▶** to select **On**.
2. Press **▲/▼** to select **Connection test**, then press

OK/▶ to check the **Internet connectivity**. If it does not work, follow step 3 below.

3. Select **Options > Ethernet network > Configuration > IP setting** then press **OK/▶** to enter the **IP setting** menu. You can set **Address type** to **Auto** or **Manual**.
 - Select **Auto** if you want the TV to acquire and enter the needed IP address automatically.
 - Select **Manual** if you want to enter your IP address manually, then:
 - Press **▼** to go to the first entry field.
 - Enter the **IP address**, **Subnet mask**, **Default gateway**, **Primary DNS** and **Secondary DNS** values. Use the alphanumeric buttons to enter numbers and the arrow buttons to move from one entry field to another.
 - Once Auto or Manual IP setting is completed, press **MENU** to go back, press **▲/▼** to select **Connection test**, then press **OK/▶** to check the **Internet connectivity** again.

Other information

Password in Parental Control

- The default password is 1234. You can change it to a new one.
- The super password is 0423. If you forget your code, enter the super password to override any existing codes.

OSS Notice

This product uses software library from Freetype Project.

This product uses software library which is distributed under the zlib license.

This product uses UNICODE software programmes which are distributed under IBM Open source license.

This product uses glibc software programmes which are distributed under the GNU license.

Troubleshooting and Help Line

A check through the guide below could save you the trouble of returning your purchase or waiting for a service engineer. If you still require assistance with operating this product you can phone the help line on the safety leaflet accompanying these instructions.

Analogue TV Sound		
Symptoms	Possible causes	What to do
Crackling noises or distorted sound.	Interference from cars, fluorescent lights, video recorder, a radio broadcast, personal computer or other equipment.	Turn off one piece of equipment at a time to see if the interference clears. See also what to do for picture interference.
Stereo switching to mono.	A weak signal or a mono broadcast.	Check the signal and your aerial system.

Analogue TV Picture		
Symptoms	Possible causes	What to do
Grainy (snowy) picture.	Your video recorder could be faulty. Transmitter trouble. Aerial has moved, is damaged or has been disconnected.	If you have a video recorder try plugging the aerial directly into the television. If the fault clears, the video recorder is probably faulty. Have your aerial system checked.
Extra outlines on objects in the picture (ghosts).	The aerial is receiving reflected signals from hills or buildings. Faulty aerial system	Try to tune in a better signal from the same television station. Get your aerial system checked.
Picture interference like spots or streaks..	Weak aerial signal. Interference from electrical equipment such as power tools and motors. Settings for the digital video equipment output do not match the monitor's VGA or HDMI input specifications.	Try to tune in a better signal from the same television station. Get your aerial system checked. Move the interfering equipment further away or if possible, turn it off. Change the refresh rate or resolution settings on the digital equipment, if possible.
Picture interference like wavy lines or patterns. Sound interference may also be present.	Some other equipment is using the same frequency. Poor quality cable in the path between the TV and the TV aerial. Your aerial system is receiving an unwanted signal on the same frequency	Put other equipment on stand-by to see if the interference stops: change the output frequency of the equipment that is causing interference (see its instructions). Get higher quality cable. Get your aerial system checked.
Jumbled teletext characters	Poor quality signal	As for 'Snowy picture' and 'Ghosts'
When RGB input is used there is a distorted picture or no picture.	Synchronisation signal is missing.	Press the AV button to select the AV input which receives the synchronisation signal.

Digital Terrestrial TV		
Symptoms	Possible causes	What to do
Picture blocking or freezing. Sound breaking up.	Weak signal or wrong type of aerial.	Try re-tuning. Aerial may not be suitable for digital TV broadcasts.
Some channels are missing.	Not receiving one or more digital multiplex frequencies.	You may be in a place which does not get a good digital TV signal. Get an aerial rigger to check the aerial system.
Any or all of the above faults.	Interference or other problem caused by passing aerial signal through other equipment.	Try connecting the aerial directly to the digital TV receiver and then re-tuning. If some equipment has a radio frequency modulator, switch it off or change the frequency of it and re-tune the analogue TV. (Please see other equipment's instructions for how to do this.)
Multiplex DVB-T (Digital Video Broadcasting - Terrestrial) is broadcast in groups of channels on one common frequency. This arrangement is known as a Multiplex . There are several multiplexes in the DVB-T system, each carrying a group of channels. If the signal level on a particular multiplex frequency is poor you may lose the whole group of channels on that multiplex.		

General		
Symptoms	Possible causes	What to do
Picture is the wrong size or the source device (computer, DVD player, set top box and so on) will not let you set up the pixel resolution the display can reproduce.	Source device has not read the set-up data from the display. Connecting cable does not have all the necessary connections.	Avoid old cables and adapter devices. Use only modern cables. Re-start the source device after connecting and powering up the display. Change the graphics adapter in your computer. Check compatible video resolutions given in these instructions.
Picture looks squashed or stretched even though the aspect ratio controls are set correctly (for example 4:3 or 16:9).	Equipment feeding the display is set to the wrong aspect ratio.	On the equipment feeding the TV choose the correct output aspect ratio such as 4:3 (old conventional) or 16:9 or 1280 x 720 or 1920 x 1080 pixels to match wide screens.
No picture.	Brightness and contrast levels are set to minimum. Make sure the source type is set correctly.	Increase the brightness and contrast settings. Select proper source input.

No sound.	The volume is set to minimum. The mute is switched on. Make sure the headphones are not connected.	Turn the volume up. Press the mute button to release 'mute'. Disconnect headphones.
Picture is too dark, too light or tinted.	Wrong colour adjustment in menu. Wrong brightness adjustment in menu.	Adjust saturation in menu. Adjust brightness in menu.
Picture is not clear.	Antenna cable is not correctly connected.	Connect antenna cable properly.

Remote		
Symptoms	Possible causes	What to do
Wrong functions or short range.	Batteries exhausted. Obstacle in the way. Dirty remote control sensor on TV.	Insert new batteries. Remove any objects and aim from straight in front of the remote sensor with a clear line of sight. Try to clean the remote control sensor lens on the TV with a soft cloth.

Power		
Symptoms	Possible causes	What to do
Television seems 'dead' - no lights come on and nothing works.	Mains supply missing. Main power switch is off. Blown fuse or circuit breaker.	Check the power switches on the television and at the power outlet. Check power is present at the outlet. Check the fuse or circuit breaker at your main fuse box. Look for a possible cause of failure before you replace or re-set it.
Does not respond to remote or local controls. "Stuck" on stand-by.	Micro-controller confused by electrical disturbance.	Switch off main power and wait five minutes before trying again. (Leave the TV unplugged and call a service engineer if this does not work.)
Does not respond to certain controls on the TV or remote control.	Channel, installation, child or keyboard lock is switched on (if fitted).	Please see relevant section of user instruction.

Specifications for LT-32HA48U

Brand	JVC
Broadcasting	Analogue: PAL/NTSC/SECAM M,B/G,I/D/K/L,L' Digital: DVB-T/C
Sound system	FM, Nicam, Digital Wide Stereo
AC power	Input: AC220V~240V~50HZ
Power consumption	Standby <0.3W ON mode 30W Max 70W Efficiency Class A+ Annual energy 44kWh/annum
Sound output power	2 x 5 watts
Headphone type	Impedance 32 ohms or more, with 3.5mm stereo jack plug
RF aerial input	75 ohms
Receiving channels	Analogue: 47MHz~866MHz Digital: DVB-T/C 107.5MHz~858MHz
Panel	LED Edge Ratio 16:9 Resolution: HD
Screen resolution	1366 pixel (horizontal) × 768 pixel (vertical)
Recommended PC resolution	VGA: 1024×768@60Hz HDMI: 1360×768@60Hz
USB supported file formats	Photo: JPEG Music: MP3 Video: AVI, MP4, PS, TS...
Connections	RF in, Scart, VGA, YPBPR(video, audio), SPDIF, USB×1, HDMI×2, Headphone, LAN
Diagonal screen size	32 inch / 80 cm
Dimensions	With stand: W 733.4 H 504 D 183 millimetres Without stand: W 733.4 H 452 D 64.5 millimetres
Approximate weight	With stand: 8.3 kg Without stand: 6.7 kg
Accessories	Remote control unit with 2 x batteries instruction booklet, Power cord table top stand, stand neck, 7 x stand screws, 1X stand spacer 2 x bracket screws (optional screws for VESA bracket assembly) Safety instruction sheet, Warranty card Stand installation guide, Buckle use sheet Conversion Cable x3 (Scart adaptor, CMP adaptor, Audio in adaptor)
Operating Conditions	Temperature 5°C - 35°C (41°F - 95°F) Humidity 20 - 80% (non-condensing)
Storage Conditions	Temperature -15°C - 45°C (5°F - 113°F) Humidity 10 - 90% (non-condensing)

¹Energy consumption per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.

Specifications for LT-39HG48U

Brand	JVC
Broadcasting	Analogue: PAL/NTSC/SECAM M,B/G,I/D/K/L,L' Digital: DVB-T/C
Sound system	FM, Nicam, Digital Wide Stereo
AC power	Input: AC220V~240V~50HZ
Power consumption	Standby <0.3W ON mode 44W Max 85W Efficiency Class A+ Annual energy 65kWh/annum
Sound output power	2 x 8 watts
Headphone type	Impedance 32 ohms or more, with 3.5mm stereo jack plug
RF aerial input	75 ohms
Receiving channels	Analogue: 45MHz~866MHz Digital: DVB-T/C 107.5MHz~858MHz
Panel	LED Edge Ratio 16:9 Resolution: FHD
Screen resolution	1920 pixel (horizontal) × 1080 pixel (vertical)
Recommended PC resolution	VGA: 1024×768@60Hz HDMI: 1920×1080@60Hz
USB supported file formats	Photo: JPEG Music: MP3 Video: AVI, MP4, PS, TS...
Connections	RF in, Scart, VGA, YPBPR(video, audio), SPDIF, USB×1, HDMI×2, Headphone, LAN
Diagonal screen size	39 inch / 99 cm
Dimensions	With stand: W 891.6 H 593.2 D 229.5 millimetres Without stand: W 891.6 H 534.1 D 45.7 millimetres
Approximate weight	With stand: 13.15 kg Without stand: 11 kg
Accessories	Remote control unit with 2 x batteries instruction booklet, Power cord table top stand, stand neck 8 x stand screws, 1X stand spacer Safety instruction sheet, Warranty card Stand installation guide, Buckle use sheet Conversion Cable x3 (Scart adaptor, CMP adaptor, Audio in adaptor)
Operating Conditions	Temperature 5°C - 35°C (41°F - 95°F) Humidity 20 - 80% (non-condensing)
Storage Conditions	Temperature -15°C - 45°C (5°F - 113°F) Humidity 10 - 90% (non-condensing)

¹ Energy consumption per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.

We apologise for any inconvenience caused by minor inconsistencies in these instructions, which may occur as a result of product development.

JVC